

Message

From: Liljegren, Jennifer [Liljegren.Jennifer@epa.gov]
Sent: 1/26/2021 10:33:04 PM
To: Simcox, Alison [simcox.alison@epa.gov]; Buchsbaum, Seth [buchsbaum.seth@epa.gov]; Tonnesen, Gail [Tonnesen.Gail@epa.gov]; Henderson, Barron [henderson.barron@epa.gov]; McKinley, Gobeail [McKinley.Gobeail@epa.gov]; Keas, Ashley [keas.ashley@epa.gov]; Simon, Heather [Simon.Heather@epa.gov]; Damberg, Rich [Damberg.Rich@epa.gov]; Wilcox, Geoffrey [wilcox.geoffrey@epa.gov]; Lingard, Robert [Lingard.Robert@epa.gov]; Young, Carl [young.carl@epa.gov]; Snyder, Erik [snyder.erik@epa.gov]; Arra, Sarah [Arra.Sarah@epa.gov]; Bean, Clayton [bean.clayton@epa.gov]; Christenson, Kara [Christenson.Kara@epa.gov]; Clark, Adam [Clark.Adam@epa.gov]; Lee, Anita [Lee.Anita@epa.gov]; Jackson, Scott [Jackson.Scott@epa.gov]; Boydston, Michael [Boydston.Michael@epa.gov]; Fulton, Abby [Fulton.Abbby@epa.gov]; Bohnenkamp, Carol [Bohenenkamp.Carol@epa.gov]; Mays, Rory [Mays.Rory@epa.gov]; Lee, Andrew [Lee.Andrew.C@epa.gov]
CC: Daly, Carl [Daly.Carl@epa.gov]; Morales, Monica [Morales.Monica@epa.gov]; Jackson, Scott [Jackson.Scott@epa.gov]; Fiedler, Kerri [Fiedler.Kerri@epa.gov]; Matichuk, Rebecca [Matichuk.Rebecca@epa.gov]
Subject: RE: summary of UPA 179B Lunch and Learn session today

Thank you, Gail, for sharing this info today.

I am looping in my colleague, Andrew Lee, who will be joining future 179B workgroup calls.

From: Simcox, Alison <simcox.alison@epa.gov>
Sent: Tuesday, January 26, 2021 3:50 PM
To: Vagenas, Ginger <Vagenas.Ginger@epa.gov>; Buchsbaum, Seth <buchsbaum.seth@epa.gov>; Tonnesen, Gail <Tonnesen.Gail@epa.gov>; Henderson, Barron <henderson.barron@epa.gov>; McKinley, Gobeail <McKinley.Gobeail@epa.gov>; Keas, Ashley <keas.ashley@epa.gov>; Simon, Heather <Simon.Heather@epa.gov>; Damberg, Rich <Damberg.Rich@epa.gov>; Wilcox, Geoffrey <wilcox.geoffrey@epa.gov>; Lingard, Robert <Lingard.Robert@epa.gov>; Young, Carl <young.carl@epa.gov>; Snyder, Erik <snyder.erik@epa.gov>; Liljegren, Jennifer <Liljegren.Jennifer@epa.gov>; Arra, Sarah <Arra.Sarah@epa.gov>; Bean, Clayton <bean.clayton@epa.gov>; Christenson, Kara <Christenson.Kara@epa.gov>; Clark, Adam <Clark.Adam@epa.gov>; Lee, Anita <Lee.Anita@epa.gov>; Jackson, Scott <Jackson.Scott@epa.gov>; Boydston, Michael <Boydston.Michael@epa.gov>; Fulton, Abby <Fulton.Abbby@epa.gov>; Bohnenkamp, Carol <Bohenenkamp.Carol@epa.gov>; Mays, Rory <Mays.Rory@epa.gov>
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Ex. 5 Deliberative Process (DP)

Alison Simcox, PhD
US EPA Region I
Air Quality Branch
Air and Radiation Division

From: Vagenas, Ginger
Sent: Tuesday, January 26, 2021 4:39 PM
To: Buchsbaum, Seth <buchsbaum.seth@epa.gov>; Tonnesen, Gail <Tonnesen.Gail@epa.gov>; Henderson, Barron <henderson.barron@epa.gov>; McKinley, Gobeail <McKinley.Gobeail@epa.gov>; Keas, Ashley <keas.ashley@epa.gov>; Simon, Heather <Simon.Heather@epa.gov>; Damberg, Rich <Damberg.Rich@epa.gov>; Wilcox, Geoffrey <wilcox.geoffrey@epa.gov>; Lingard, Robert <Lingard.Robert@epa.gov>; Young, Carl <young.carl@epa.gov>; Snyder,

Erik <snyder.erik@epa.gov>; Liljegren, Jennifer <Liljegren.Jennifer@epa.gov>; Arra, Sarah <Arra.Sarah@epa.gov>; Bean, Clayton <bean.clayton@epa.gov>; Christenson, Kara <Christenson.Kara@epa.gov>; Clark, Adam <Clark.Adam@epa.gov>; Lee, Anita <Lee.Anita@epa.gov>; Jackson, Scott <Jackson.Scott@epa.gov>; Boydston, Michael <Boydston.Michael@epa.gov>; Fulton, Abby <Fulton.Abbby@epa.gov>; Bohnenkamp, Carol <Bohenenkamp.Carol@epa.gov>; Simcox, Alison <simcox.alison@epa.gov>; Mays, Rory <Mays.Rory@epa.gov>
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Thanks for the summary, Gail.

Ex. 5 Deliberative Process (DP)

I was also struck by her expression of her full support of and full faith in staff at Utah DEQ.

From: Buchsbaum, Seth <buchsbaum.seth@epa.gov>
Sent: Tuesday, January 26, 2021 1:07 PM
To: Tonnesen, Gail <Tonnesen.Gail@epa.gov>; Henderson, Barron <henderson.barron@epa.gov>; McKinley, Gobeail <McKinley.Gobeail@epa.gov>; Keas, Ashley <keas.ashley@epa.gov>; Simon, Heather <Simon.Heather@epa.gov>; Damberg, Rich <Damberg.Rich@epa.gov>; Wilcox, Geoffrey <wilcox.geoffrey@epa.gov>; Lingard, Robert <Lingard.Robert@epa.gov>; Young, Carl <young.carl@epa.gov>; Snyder, Erik <snyder.erik@epa.gov>; Liljegren, Jennifer <Liljegren.Jennifer@epa.gov>; Arra, Sarah <Arra.Sarah@epa.gov>; Vagenas, Ginger <Vagenas.Ginger@epa.gov>; Bean, Clayton <bean.clayton@epa.gov>; Christenson, Kara <Christenson.Kara@epa.gov>; Clark, Adam <Clark.Adam@epa.gov>; Lee, Anita <Lee.Anita@epa.gov>; Jackson, Scott <Jackson.Scott@epa.gov>; Boydston, Michael <Boydston.Michael@epa.gov>; Fulton, Abby <Fulton.Abbby@epa.gov>; Bohnenkamp, Carol <Bohenenkamp.Carol@epa.gov>; Simcox, Alison <simcox.alison@epa.gov>; Mays, Rory <Mays.Rory@epa.gov>
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Subject: RE: summary of UPA 179B Lunch and Learn session today

Ex. 5 AC/DP

From: Tonnesen, Gail <Tonnesen.Gail@epa.gov>
Sent: Tuesday, January 26, 2021 4:02 PM
To: Henderson, Barron <henderson.barron@epa.gov>; McKinley, Gobeail <McKinley.Gobeail@epa.gov>; Keas, Ashley <keas.ashley@epa.gov>; Simon, Heather <Simon.Heather@epa.gov>; Damberg, Rich <Damberg.Rich@epa.gov>; Buchsbaum, Seth <buchsbaum.seth@epa.gov>; Wilcox, Geoffrey <wilcox.geoffrey@epa.gov>; Lingard, Robert <Lingard.Robert@epa.gov>; Young, Carl <young.carl@epa.gov>; Snyder, Erik <snyder.erik@epa.gov>; Liljegren, Jennifer <Liljegren.Jennifer@epa.gov>; Arra, Sarah <Arra.Sarah@epa.gov>; Vagenas, Ginger <Vagenas.Ginger@epa.gov>; Bean, Clayton <bean.clayton@epa.gov>; Christenson, Kara <Christenson.Kara@epa.gov>; Clark, Adam <Clark.Adam@epa.gov>; Lee, Anita <Lee.Anita@epa.gov>; Jackson, Scott <Jackson.Scott@epa.gov>; Boydston, Michael <Boydston.Michael@epa.gov>; Fulton, Abby <Fulton.Abbby@epa.gov>; Bohnenkamp, Carol <Bohenenkamp.Carol@epa.gov>; Simcox, Alison <simcox.alison@epa.gov>; Mays, Rory <Mays.Rory@epa.gov>
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Subject: summary of UPA 179B Lunch and Learn session today

Hi All,

My summary from the Utah Petroleum Association (UPA) 179B webinar is below, with my editorial comments marked as notes in parentheses.

Thanks,
Gail

Rikki, UPA frames the issue as environmental protection versus economic development.
Claims that control measures have not achieved improvements in ozone air quality.

Presenters include:
Breathe Utah, Ashley Miller
Bryce Bird, Utah DEQ
Chris Emery, Ramboll

Breathe Utah:
cites EPA 2015 background ozone white paper, less than 20% of ozone is from Utah sources (note: I have concerns about model performance and the accuracy of these EPA estimates).
Cites Utah DEQ inventory with 61% of ozone precursors from mobile sources.
Shows trends with little progress in decreasing ozone
Claims that Utah has little ability to control sources that cause violations

Bryce, Utah DEQ
Data shows more good air quality days in 2020, probably from shutdowns, even though the 2020 met conditions were favorable to more bad ozone days.
Only 13 exceedance days in 2020, would have expected many more exceedances with the 2020 met conditions.
This shows the benefits of additional local emissions controls.

Chris Emery, Ramboll:
Presents CMAQ and CAMx model results with international anthropogenic ozone contributions removed.
Ramboll models 69 ppb with CMAQ zero out and 65 ppb using CAMx OSAT to exclude international anthropogenic contributions.
UPA comments that Ramboll model U.S. domestic ozone contributions are consistent with EPA whitepaper estimates (note **Ex. 5 AC/DP**)
Ramboll model finds relatively constant international background contribution on all days (note: there are no large episodic international contributions).
International background contribution is widespread across the west, not specific to Salt Lake City.
Vertical mixing and background ozone contribution occurs even on stagnation days.

Bryce:
2015 field study shows recirculation of blob of ozone and local precursors from lake breezes during stagnation ozone episodes.
Trajectory modeling does not show large international influence.

Chris:
Weight of evidence from multiples analysis methods needed to show international transport. Discounts the value of trajectory models.

UPA asked why PM2.5 controls have not had benefits for O3 control.

Bryce: Emissions have been reduced from both PM2.5 controls and vehicle fleet turnover. Bryce is optimistic that O3 is decreasing with fewer days above the standard. Might be difficult to model attainment by 2023, so UDEQ might need to consider 179B(a) for the moderate SIP due in 2023.

UPA asked why Breathe Utah supports 179B?

Breathe fully supports Utah DAQ, but maybe they can do more that does not fit in the boundary of a SIP. There are some very dirty sources that UDEQ does not have authority to control (note: I think [redacted])

Ex. 5 AC/DP

[redacted] Ex. 5 AC/DP [redacted]). 179B might be a tool to get Utah industry and public to do more voluntary efforts to improve air quality. (note: [redacted])

Ex. 5 Deliberative Process (DP)

[redacted] ?)

Bryce: we do not get SIP credit for voluntary control measures. (note: sounds like this is an ongoing discussion between UDEQ and Breathe Utah advocacy of voluntary control measures).

This is an article about freight switching stations: <https://www.sltrib.com/news/environment/2019/02/06/utah-lawmakers-advance/>